

Radio / CD

Los Angeles MP71


Operating instructions



Open here



OPERATING ELEMENTS

- ①  button for opening the control unit
- ② Button for switching the device on and off and for muting the device
- ③ Volume control
- ④ Softkeys. The function of the Softkeys depends on the contents of the display at the time
- ⑤ **OK** button for confirming menu entries and for leaving the menu
- ⑥ **DEQ** button for calling up the equalizer menu
- ⑦ Multi-function rocker
- ⑧ **MENU** button, which calls up the basic settings menu
- ⑨ **AUD** button for adjusting bass, treble, balance, fader and loudness
- ⑩ **DIS** button, to change the contents of the display
- ⑪ Display
- ⑫ **CD** button, to start playing the CD
- ⑬ **CDC** button, to start play from the CD changer (only if connected) **or** play from an external audio source (only if connected)
- ⑭ **TUNE** button, to begin radio operation
Calling up the radio function menu (only possible when the radio is switched on)


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Notes

Thank you for deciding to use a Blaupunkt product. We hope you enjoy using this new piece of equipment.

Before using the device for the first time, please read these operating instructions. The Blaupunkt editors are constantly working on making the operating instructions clearer and easier to understand. However, if you still have any questions on how to operate the unit please contact your dealer or the telephone hotline for your country. You will find the hotline telephone numbers printed at the back of this booklet.

Road safety

 Road safety has the first priority. Only make adjustments to your car radio when the traffic conditions allow. Familiarise yourself with the device before you start driving.

You must be able to hear audible alarms from police vehicles, fire engines or ambulances promptly when inside the vehicle. You must therefore listen at an appropriate volume when travelling.

Fitting

If you want to fit your car radio yourself, read the fitting and connecting notes at the end of the guide.

Accessories

Only use accessories approved by Blaupunkt.

Remote control

The optional RC 10, RC 10 H, and RC 08 remote controls allow you to control your car radio's basic functions safely and conveniently.

Amplifier

Any Blaupunkt amplifier can be used.

CD changer

The following Blaupunkt CD changers can be connected:

CDC A 06, CDC A 08, CDC A 072 and IDC A 09.

If an adapter cable is used (Blaupunkt No. 7 607 889 093) the CDC A 05 or CDC A 071 CD changers can also be connected.

Microdrive™ player

As an alternative to a CD changer, you can also connect a Compact Drive MP3 player in order to access additional MP3 tracks. In the case of the Compact Drive MP3, you first use a computer to store the MP3 tracks on the Microdrive™ hard disk of the Compact Drive MP3, and then, when the Compact Drive MP3 is connected to the car radio, you can play the tracks like normal CD tracks.

KeyCard Theft Protection

Two KeyCards are included with your car radio.

If one KeyCard is lost or damaged you can obtain a replacement through your Blaupunkt dealer.

If you use two KeyCards, the settings of the first KeyCard are adopted by the first KeyCard. You can, however, store the following functions separately:

station button allocation, bass, treble, balance and fader settings, loudness, beep volume and equalizer settings.

In addition to this, the most recent settings for waveband, station, RDS, scan time, search sensitivity, initial volume and SHARX are stored.

This means that the basic settings you have selected are made as soon as the KeyCard is inserted.

Inserting the KeyCard

- ⇒ Press the **⏏** button (1).

The control unit opens.

- ⇒ Insert the KeyCard, as shown in the diagram (arrow 1), with the contact surfaces downwards.



- ⇒ Gently push the KeyCard with the holder in the direction of the arrow (2) until you feel it stop.
- ⇒ Close the control unit (arrow 3).

Note:

If the wrong kind of card, such as a credit card, is inserted into the device, "Wrong KC" will appear on the display.

Remove the incorrect card, and insert a KeyCard that is known to the device.

Removing the KeyCard

To unlock the control unit:

- ⇒ Press the **⏏** button (1).

The control unit opens.

- ⇒ Push the card with the holder to the right until you feel it stop.
- ⇒ Remove the card from the control unit.
- ⇒ Close the control unit.

Note:

In order to prevent theft, remove the KeyCard whenever you leave the vehicle, and leave the control unit opened.

⚠ For reasons of safety the control unit must always be closed when the vehicle is moving.

Replacing KeyCards / "Training" a second KeyCard

Note:

A maximum of two KeyCards can be used per device.

If you already have two KeyCards for the device and you "train" a third KeyCard, the device can no longer be operated with the KeyCard not involved in the training process.

To "train" a new KeyCard in case of loss or damage:

- ⇒ Insert the first KeyCard and switch the device on.
- ⇒ Press the **MENU** button (8).
- ⇒ Press the **⏏** or **⏏** button (7) until "LEARN KC" appears in the display.

THEFT PROTECTION

- Press the **>** button (7).

"CHANGE" appears in the display.

- Remove the first KeyCard.

- Insert the new KeyCard.

"LEARN OK" appears in the display.


To leave the menu:

- Press the **MENU** button (8).

The radio can now be operated with the new KeyCard.

KeyCard lost or damaged

If all the KeyCards belonging to a device are damaged or lost, a new KeyCard will have to be "retrained" with the device's master code. You will find this code in the device's Car Radio Passport.

 **Keep your Car Radio Passport in a safe place, but never in the car itself.**

The instructions for this are in the section on "Training a new KeyCard / Entering the master code".

Using this KeyCard, you can then "train" a second KeyCard. Please read the section on "Replacing / Training KeyCards".

New KeyCards can be obtained from your dealer.

Training a new KeyCard / Entering the master code

If you no longer have a valid KeyCard for your device, and would like to train a new KeyCard:

- Insert the new, unknown KeyCard into the device.
- Close the control unit.
- If necessary, switch the device off.
- Hold down the **TUNE** and **ST1** buttons (14) and (4) at the same time.
- Switch the device on with the main button (2).

"0000" appears in the display.

Enter the four-figure master code from the Car Radio Passport as follows:

- Enter each of the numbers for the master code using the **Y** and **X** buttons (7) pressing until the desired number appears in the display.
- To enter the next/previous digit, use the **<** and **>** buttons (7).
- When the master code is correctly displayed, press the **OK** button (5).

If the device switches to play, the new KeyCard has been accepted.

Visual theft protection (LED)

When the device is switched off and the KeyCard has been removed, the power button and the CD slot illumination can be set to flash. This is done by setting "LED" to "ON" in the menu.

- Press the **MENU** button, (8).
- Press the **Y** or **X** button (7) until either "LED ON" or "LED OFF" appears in the display.
- Press the **<** or **>** button (7) to switch between the settings ON and OFF.
- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

THEFT PROTECTION

Display Radio Passport Data

Using the KeyCard supplied, you can view Radio Passport data such as device name, type number (7 6 ...) and device number in the display.

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **↵** or **↶** button (7) until "READ KC" appears in the display.
- ⇨ Press the **➤** button (7).

The Radio Passport data is shown on the display as scrolling text.

- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Care of the KeyCard

The KeyCard can only function properly if the contacts are free of particles. Avoid touching the contacts with your skin.

If necessary, clean the KeyCard contacts using a lint-free cloth dipped in alcohol.

SWITCHING ON AND OFF

Switching on and off

There are a number of methods for switching the device on or off.

Switching on and off with the button (2)

⇨ Press the main button (2) to switch on. The device switches on.

⇨ To switch off, hold the main button (2), pressed for longer than two seconds.

The device switches off.

Switching on and off with the vehicle ignition

If the device is correctly connected to the vehicle ignition, and has not been switched off with the main button (2), it is switched on and off along with the ignition.

You can also switch the device on when the ignition is off.

⇨ Press the main button (2).

Note:

In order to protect the vehicle battery, the device is automatically switched off after an hour if the vehicle ignition is off.

Switching on and off with the KeyCard

You can also switch the device on and off by inserting and removing the KeyCard, if the device was not previously switched off with the main button (2). Read the chapter on "KeyCard theft protection" for information about inserting and removing the KeyCard.

Adjusting the volume

The volume can be adjusted in steps from 0 (off) to 66 (maximum).

- To increase the volume, turn the volume control to the right.
- To reduce the volume, turn the volume control to the left.

Adjusting the switch-on volume

The volume level of the device when it is switched on can be adjusted.

- Press the **MENU** button (8).
- Press the **Y** button (7) as often as is necessary for "ON VOL" to appear in the display.
- Adjust the switch-on volume with the **<>** buttons (7) or with the volume control.

If you set a volume level below "1", "LAST VOL" will appear in the display. This means that whatever volume was in use before the device was switched off will be activated again when the device is switched on.

Risk of serious injury!

If the level of switch-on volume is set to maximum, the volume when switching on can be very high.



If the volume was set to maximum before switching off, and the value for the switch-on volume is set to "LAST VOL", the volume when switching on can be very high.

Either case can result in serious injury to hearing!

- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Muting

You can reduce the level of the volume (mute) suddenly.

- Press the main button (2).
"MUTE" is shown on the display.

Cancelling the mute

- Press the main button (2).

or

- Turn the volume control (3).

Muting during telephone operation

If your car radio is connected to a mobile telephone, the radio is muted when the telephone is taken "off the hook". This requires the mobile telephone to be connected to the car radio as described in the fitting instructions.

Adjusting the volume for the confirmation tone (beep)

With certain functions, if you hold a button pressed for longer than two seconds, for instance in order to save a station frequency to a station button, a confirmation tone, or beep, is generated. The volume level of the beep can be adjusted.

- Press the **MENU** button (8).
- Press the **Y** button (7) as often as is necessary for "BEEP" to appear in the display.
- Adjust the volume with the **<>** buttons (7) or with the volume control. "0" means that the beep is off, while "9" is the maximum beep volume.
- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Tone and volume

Note:

You can make separate adjustments to the bass, treble and loudness for each audio source.

Adjusting the bass

- Press the **AUD** button (9).

"BASS" appears in the display.

- Press the **<** or **>** buttons (7) in order to adjust the bass.

When you have finished the adjustment

- Press the **AUD** button (9).

Adjusting the treble

- Press the **AUD** button (9).

"BASS" appears in the display.

- Press the **V** or **T** button (7) as often as is necessary for "TREBLE" to appear in the display.
- Press the **<** or **>** buttons (7) in order to adjust the treble.

When you have finished the adjustment

- Press the **AUD** button (9).

Loudness

Loudness refers to a bass boost at low volume levels matching the ear's sensitivity.

- Press the **AUD** button (9).

"BASS" appears in the display.

- Press the **V** or **T** button (7) as often as is necessary for "LOUD" to appear in the display.
- Press the **<** or **>** buttons (7) in order to adjust the loudness. "LOUD OFF" means that the loudness function is inactive, while "LOUD 6" indicates the maximum loudness boost.

When you have finished the adjustment

- Press the **AUD** button (9).

Adjusting the left/right volume balance

- In order to adjust the balance, press the **AUD** button (9).

"BASS" appears in the display.

- Press the **V** or **T** button (7) as often as is necessary for "BAL" to appear in the display.
- Press the **<** or **>** buttons (7) in order to adjust the balance between left and right.

When you have finished the adjustment

- Press the **AUD** button (9).

Adjusting the front/rear volume ratio (fader)

- In order to adjust the fader, press the **AUD** button (9).

"BASS" appears in the display.

- Press the **V** or **T** button (7) as often as is necessary for "FADER" to appear in the display.
- Press the **<** or **>** buttons (7) in order to adjust the balance between front and rear.

When you have finished the adjustment

- Press the **AUD** button (9).

Adjusting the display

You can adjust the display to its location in your vehicle and to your taste.

Adjusting the viewing angle

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **↵** or **↶** button (7) as often as is necessary for "ANGLE" to appear in the display.
- ⇨ Adjust the viewing angle with the **<>** key (7).
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Adjusting the display brightness

If your car radio has been connected as described in the fitting instructions, the display brightness will switch with the headlights. The display brightness can be set at separate levels for day and night in steps from 1 to 9.

Daytime display brightness

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **↵** or **↶** button (7) as often as is necessary for "DIM DAY" to appear in the display.
- ⇨ Adjust the brightness with the **<>** key (7).
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Night-time display brightness

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **↵** or **↶** button (7) as often as is necessary for "DIM NGHT" to appear in the display.
- ⇨ Adjust the brightness with the **<>** key (7).
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Radio Operation

Switching to Radio Mode

If the car radio is in another operating mode:

- ⇨ Press the **TUNE** button (14).

RDS Function

This device is equipped with an RDS radio receiver. Some FM stations transmit a signal in addition to the program itself containing information such as the name of the station and the type of program (PTY).

If RDS is activated, the station name is displayed as soon as it is received. The program type can also be displayed if required. Read more about this in the section on "Program Type (PTY)".

Switching RDS on and off

To use the RDS function:

- ⇨ Press the **TUNE** button (14) when the radio is operating.

The radio function menu is shown on the display.

- ⇨ Press the softkey (4) indicating "RDS".

The RDS function is active if "RDS" is displayed with light and shade reversed. When RDS is switched on or off, "RDS ON" or "RDS OFF" appears briefly in the display.

To return to the basic radio menu:

- ⇨ Press the **TUNE** button (14) or wait for eight seconds. The settings are then saved.

Tuner Alternative

Using the TA function (Tuner Alternative), the device automatically searches for the best frequency on which the current RDS station can be received.

Switching TA on and off

To use the TA function:

- ⇨ Press the softkey (4) indicating "TA".

The TA function is active when "TA" appears in the display with light and shade reversed.

To deactivate the TA function:

- ⇨ Press the softkey (4) indicating "TA" again.

Select Waveband/Memory Level

This radio can receive FM and AM stations. Three memory levels are available for the FM waveband (FMI, FMII and FMT), and two memory levels for the AM waveband (M and MT).

Six stations can be stored in each memory level.

Selecting the waveband

To switch between FM and AM:

- ⇨ Press the **TUNE** button (14) when the radio is operating.

The radio function menu is shown on the display.

- ⇨ Press the softkey (4) indicating "BND" until the desired waveband is shown in the display.

To return to the basic radio menu

- ⇨ Press the **TUNE** button (14) or wait for eight seconds. The settings are then saved.

Selecting memory level

To switch between the various memory levels (FMI, FMII, FMT, AM, AMT):

- ⇨ Press the softkey (4) indicating "NEXT" until the desired memory level is shown in the display.

The memory levels appear in the following order: FM I, FM II, FMT, M (AM), MT (AMT).

RADIO OPERATION

Setting the station

There are a number of ways to set the station.

Automatic station search

- ⇨ Press the **V** or **A** button (7).

The next station that can be received is tuned in.

Manual station tuning

You can also tune to the station manually:

- ⇨ Press the **<** or **>** button (7).

Setting station search sensitivity

You can choose whether to search only for stations with strong signals, or whether weak stations should be included:

- ⇨ Select the waveband (AM or FM) to which the setting should apply.
- ⇨ Press the **MENU** button, (8).
- ⇨ Press the **V** or **A** button (7) until "FM-SENS" or "AM-SENS" appears in the display.
- ⇨ Press the button **<** or **>** (7).

The current sensitivity value is shown on the display. "SENS 6" indicates the maximum sensitivity for the reception of distant transmitters, and "SENS 1" indicates the lowest sensitivity.

- ⇨ Set the desired sensitivity by pressing **<** or **>** (7).
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Saving a station

Saving a station manually

- ⇨ Choose the desired memory level: FM I, FM II, FMT, M or MT.
- ⇨ Tune in the desired station as described under "Setting the station".
- ⇨ Hold down the softkey (4) indicating the position ["ST1" - "ST6"] where the station is to be stored] for longer than two seconds.

Saving a station automatically (Travelstore)

You can also save the six strongest stations in the area automatically. This is done in the FMT and MT memory levels.

Note:

Any stations previously saved on this level will be deleted.

To use the Travelstore function:

- ⇨ Press the **TUNE** button (14) when the radio is operating.

The radio function menu is shown on the display.

- ⇨ Press the softkey (4) indicating "TS".

Storing starts. "T-STORE" appears in the display. When the procedure is complete, the station in memory location 1 on the FMT or MT level is played.

Going to a pre-set station

- ⇨ Select the memory level or waveband.
- ⇨ Press the softkey (4) indicating "ST1" - "ST6" for the desired station.

Scanning through stations

Scanning through available stations (Radio SCAN)

You can listen to short samples of all currently receivable stations. The length of the samples can be set, in the menu, to between 5 and 30 seconds.

Start radio SCAN

To start the radio scan:

- ⇨ Press the **TUNE** button (14) when the radio is operating.

The radio function menu is shown on the display.

- ⇨ Press the softkey (4) indicating "SCA".

The scanning process starts. "SCAN" appears briefly in the display, after which the current station name or the frequency is displayed, flashing.

Scan through the pre-set stations

You can listen to short samples from all the stations saved on the various memory levels that can currently be received. The length of the samples can be set, in the menu, to between 5 and 30 seconds.

Start pre-set SCAN

To start the pre-set scan:

- ⇨ Press the **TUNE** button (14) when the radio is operating.

The radio function menu is shown on the display.

- ⇨ Hold down the softkey (4) indicating "SCA" for longer than one second.

The scanning process starts. "SCAN" appears briefly in the display. The memory levels are scanned one after another, and the memory location from "ST1" to "ST6" currently being sampled is displayed with light and shade reversed.

Stop the SCAN, continue listening to a station

- ⇨ Press any button on the arrow block (7).

The scanning process is stopped, and the last station sampled continues playing.

Setting sample duration (Scantime)

- ⇨ Press the **MENU** button, (8).
- ⇨ Press the **V** or **A** button (7) until "SCANTIME" appears in the display.
- ⇨ Set the desired sampling time by pressing < or > (7).
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Note:

The selected sample length also applies to scanning in CD, tape cassette, MiniDisc and CD changer mode (depending on how your device is equipped).

Programme type (PTY)

Besides transmitting the station name, some FM stations also provide information on the type of programme that they are broadcasting. Your radio can receive and display this information.

For example, the programme types can be:

CULTURE	TRAVEL	JAZZ
SPORT	NEWS	POP
ROCK	MUSIC	

Using the PTY function, you can directly select stations of a particular programme type.

RADIO OPERATION

PTY-EON

If you specify the programme type and start seek tuning, the unit will switch from the current station to a station of the selected programme type.

Note:

- If no station is found that corresponds to the selected programme type, you will hear a beep sound and “NO PTY” appears briefly in the display. The radio will then return to the station that was received last.
- If the tuned radio station or another station on the broadcasting network broadcasts the required programme type at a later point in time, the radio automatically switches from the currently tuned station or from CD mode / CD changer mode to the station whose programme type matches the one you selected.

Switching PTY on/off

To use the PTY function,

- ⇨ press the **TUNE** button (14) in radio mode.

The radio functions menu appears in the display.

- ⇨ Press the softkey (4) that corresponds to the “PTY” display item.

When PTY is activated, the display briefly shows the programme type that was selected last. PTY appears in the display.

To return to the main radio menu,

- ⇨ press the **TUNE** button (14) or wait eight seconds.

The settings are saved.

Selecting a programme type and starting seek tuning

- ⇨ Press the **<or>** button (7).

The current programme type appears in the display.

If you want to select another programme type,

- ⇨ keep pressing one of the **<>** buttons (7) until the required programme type is displayed.

Or

To select a stored programme type,

- ⇨ press one of the softkeys (4) corresponding to the “ST1” – “ST6” display items.

The selected programme type is displayed briefly. To start seek tuning,

- ⇨ press the **Y** or **X** button (7).

The next receivable station corresponding to your selected programme type will then be tuned into.

Storing a programme type on a station button

- ⇨ Select a programme type using the **<** or **>** button (7).

To store a programme type,

- ⇨ press and hold (for longer than one second) one of the softkeys (4) corresponding to the “ST1” – “ST6” display items.

The programme type is now stored in the selected location.

Optimising radio reception

Treble cut in the presence of interference (HICUT)

The HICUT function improves the sound when radio reception is poor. When interference is being received, the treble is automatically cut which also reduces the level of interference.

Setting HICUT

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **Y** or **X** button (7) until “HICUT” appears in the display.
- ⇨ Press the **<** or **>** buttons (7) to adjust the HICUT function.

“NO HICUT” means that the function is inactive, while “HICUT 3” indicates the strongest automatic reduction of treble and interference.

- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Bandwidth selection in the presence of interference (SHARX)

The SHARX function enables you to minimize interference from neighbouring stations. Switch on the SHARX function when stations are crowded.

Switching SHARX on and off

- Press the **MENU** button (8).
- Press the **V** or **A** button (7) until “SHARX” appears in the display.
- Press the **<** or **>** buttons (7) to switch SHARX on or off.

“NO SHARX” means that the function is not active, while “SHARX ON” means that the bandwidth selection is operating automatically.

- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Switching between stereo and mono

When radio reception is poor, you can switch to mono mode. When first switched on, the radio always plays in stereo. The selection of stereo or mono is made via the menu.

- Press the **MENU** button (8).
- Press the **V** or **A** button (7) until “STEREO” or “MONO” appears in the display.
- Press the **<** or **>** button (7) to choose between stereo and mono.

- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Changing information displayed

You can select which information is shown on the display. The upper display line (the headline) can display the station name, frequency or program type. The lower display line (DOT field) can display the time or the memory level.

Changing the headline

- Hold down the **DIS** button (10) until the desired information is displayed, i.e. station name, frequency or program type.

Changing the DOT field

- Hold down the **DIS** button (10) for longer than one second.

The display switches between time and memory level.

Setting the tuner

You can set the tuner for use in the USA or Latin America.

- Press the **MENU** button (8).
- Press the **V** or **A** button (7) until “TUNER” appears in the display.
- Press the **<** or **>** button (7) to choose between “USA” and “LATIN”.
- Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

CD operation

You can use this unit to play standard CDs with a diameter of 12 cm. Besides being able to play CDs containing audio data on the Los Angeles MP71, you can also play CDs containing MP3 files. For further details, please read the chapter entitled "MP3 mode" that follows this chapter.

CD-Rs (CDs that you have "burned" yourself) can generally also be played. Due to the varying quality of CDs, Blaupunkt cannot guarantee that this will work properly. If problems occur with your own burned CDs, you should try another brand of CD blank or choose another blank colour. Best results are achieved with CD blanks that provide 74 minutes of playing time.

Rewritable CDs (CD-RW) generally cannot be played!



There is a risk of damaging the CD drive!

Neither CD singles with a diameter of 8 cm nor non-circular "shape" CDs may be used.

No responsibility can be accepted for damage to the CD drive through the use of unsuitable CDs.

Starting CD operation and inserting the CD

- If there is no CD in the drive

⇨ press the  button (1).

The control unit opens.

⇨ Insert the CD with the printed side upwards gently into the drive until you can feel some resistance.

The CD is automatically drawn into the drive.

As the CD is drawn in it must neither be held back nor supported.

⇨ Close the control unit with gentle pressure until you feel it latch.

The CD menu is displayed, and the CD starts playing.

- If there is already a CD in the drive


⇨ press the **CD** button (12).

The CD menu is displayed, and play begins from the point where it was last interrupted.

Removing the CD

⇨ Press the  button (1).

The control unit opens to the front.

⇨ Press the  button on the opened control unit.

The CD is ejected.



⇨ Carefully remove the CD.

Note:

If you do not remove the CD within 30 seconds it will be drawn back into the drive.

Selecting a track

⇨ Press one of the buttons in the arrow button group (7) as often as needed for the number of the desired track to appear in the display.

If the  or  button (7) is pressed once the current track will be started again.

Fast searching (audible)

In order to search rapidly backwards or forwards

- ⇨ hold down one of the <>, V or A buttons (7) until the fast search backwards or forwards starts.

Random Track Replay (MIX)

- ⇨ Press the softkey (4) indicating "MIX".

"MIX CD" appears briefly on the display. The next track to be played will be selected at random.

Ending MIX

- ⇨ Press the softkey (4) indicating "MIX" again.

"MIX OFF" appears briefly on the display.

Scanning tracks (SCAN)

You can hear a brief sample from all the tracks on the CD.

- ⇨ Press the softkey (4) indicating "SCA".

"SCAN" appears in the display. The tracks on the CD are played in ascending order.

Note:

The duration of the samples can be adjusted. For information on setting the sampling duration, read the paragraphs on "Adjusting the Sample Duration" in the "Radio Operation" section.

Stopping the SCAN to continue listening to a track

- ⇨ Press the softkey (4) indicating "SCA" again.

The track that is currently being sampled will continue to be played.

Repeating tracks (REPEAT)

- ⇨ Press the softkey (4) indicating "RPT".

The title will be repeated until RPT is deactivated.

Stopping REPEAT

- ⇨ Press the softkey (4) indicating "RPT" again.

Play continues as normal.

Changing the display contents

You can choose between different display modes during CD operation:

- Display of track number and time.
- Display of track number and play time.
- ⇨ In order to change between the display modes, press the **DIS** button (10) as often as you need for the desired information to be shown on the display.

MP3 mode

On the Los Angeles MP71 you can also play CD-Rs containing MP3 music files.

MP3 is a process developed by the Fraunhofer Institute for compressing CD audio data. Compression allows data to be reduced to around 10% of their original size without a noticeable loss in quality (at a bit rate of 128 Kbit/s). If a lower bit rate is used to convert CD audio data to MP3, you can create smaller files but there will be a loss of quality.

Preparing the MP3 CD

The various combinations of CD burners, CD burning software and CD blanks may lead to problems arising with the ability to play certain CDs. If problems occur with your own burned CDs, you should try another brand of CD blank or choose another blank colour. Best results are achieved with CD blanks that provide 74 minutes of playing time.

The format of the CD must be ISO 9660 Level 1 or Level 2. Other formats cannot be played reliably.

Avoid multi-sessions. If you write more than one session to the CD, only the first session will be detected.

In order to avoid overly long access times, you should not create more than 20 directories on any MP3-CD that you want to play on the Los Angeles MP71 (though a maximum of 127 directories are technically possible). These directories can be individually selected on the Los Angeles MP71.

Each directory can contain up to 254 tracks and subdirectories, which can also be selected. A maximum of 8 levels of directories are allowed.

Fig. 1

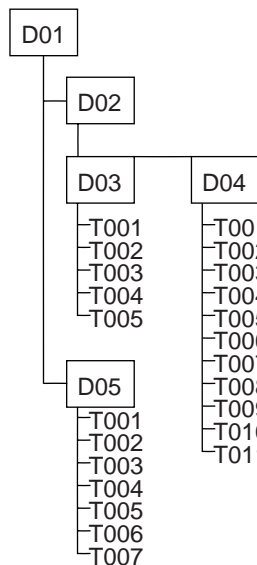
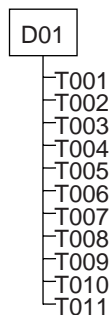


Fig. 2



Since using some burner software can lead to inconsistencies in the way items are numbered, you should ensure that the root directory D01 either contains only subdirectories containing tracks (Fig. 1) or only tracks (Fig. 2).

Each track can be named using the PC. The directory name can be displayed in the Los Angeles MP71's display. Name the directories and tracks using your CD burner software. The software's operating instructions will provide details on how to do this.

Note:

- When naming directories and tracks you should avoid using special characters.

If you like your files to be in the correct order, you should use burner software that places files in alphanumerical order. If your software does not provide this feature, you can also sort the files manually. To do so, you should

place a number (e.g. "001", "002", etc.) before each file name – the leading zeros must also be included.

Each track can be given a name (ID tag). The track's name can also be shown in the display.

When creating (encoding) MP3 files from the audio files, you should use bit rates up to a maximum of 256 kB/sec.

Only MP3 files with the ".MP3" file extension can be played on the Los Angeles MP71.

Note:

To ensure uninterrupted playback,

- do not change the file extension to ".MP3" of any files other than MP3 files and then attempt to play them!
- Do not use "mixed" CDs containing non-MP3 data and MP3 tracks.
- Do not use mix mode CDs containing audio tracks and MP3 tracks.

Switching to MP3 mode

MP3 mode is activated in the same way as normal CD mode. For further details, please read the section entitled "Switching to CD mode and inserting a CD" in the "CD mode" chapter.

Selecting a directory

To avoid overly long access times, you should use a maximum of 20 directories.

To move up or down to another directory,

- ⇨ keep pressing the **>** or **<** button (7) until the number of the required directory appears in the display after "D".

Note:

- Any directories that do not contain MP3 files will be skipped automatically. If, for instance, you are listening to tracks in directory D01 and you select the next directory by pressing the **>** button (7),

directory D02 will be skipped and D03 will be played. The display will then automatically switch from "D02" to "D03".

Selecting tracks

To move up or down to another track in the current directory,

- ⇨ keep pressing the **Y** or **X** button (7) until the number of the required track appears in the display.

If the **Y** button (7) is pressed once, the current track will be played again from the beginning.

Fast track selection

Fast track selection allows you to quickly select tracks in large directories. Fast track selection selects tracks in steps of ten.

To quickly select tracks backwards or forwards,

- ⇨ keep one of the **<>** buttons (7) pressed until fast-reverse / fast-forward track selection begins.

Fast searching (audible)

To fast search backwards or forwards,

- ⇨ keep one of the **Y** / **X** buttons (7) pressed until fast searching backwards / forwards begins.

Random track play (MIX)

- ⇨ Press the softkey (4) that corresponds to the "MIX" display item.

"MIX CD" appears briefly in the display. The next track to be played will be picked at random.

Stopping MIX

- ⇨ Press the softkey (4) that corresponds to the "MIX" display item again.

"MIX OFF" appears briefly in the display and the unit plays track 1 in the current directory.

MP3 MODE

Scanning tracks (SCAN)

You can briefly play all the tracks on the CD.

- ⇨ Press the softkey (4) that corresponds to the "SCA" display item.

"SCAN" appears in the display. The tracks on the CD are briefly played in ascending order.

Note:

- You can set the scanning time. For further details, please read the section entitled "Setting the scantime" in the "Radio mode" chapter.

Stopping SCAN and continuing playback

- ⇨ Press the softkey (4) that corresponds to the "SCA" display item again.

The currently scanned track will then continue to be played normally.

Repeating individual tracks or whole directories (REPEAT)

- ⇨ Press the softkey (4) that corresponds to the "RPT" display item.

"RPT TRCK" appears briefly in the display.

To repeat the whole directory,

- ⇨ press the softkey (4) that corresponds to the "RPT" display item again.

"RPT DIR" appears briefly in the display.

Cancelling REPEAT

To stop the current track or current directory from being repeated,

- ⇨ keep pressing the softkey (4) that corresponds to the "RPT" display item until "RPT OFF" appears briefly in the display.

Setting the display

There are various options available for displaying the name of the artist, track, directory and file.

Displaying the directory name and ID-TAG (artist and track name)

To display the name of the directory, artist and track, select "TAG ON" in the menu.

Displaying the directory name and file name

To display the directory name and file name, select "TAG OFF" in the menu.

Setting TAG

- ⇨ Press the **MENU** button (8).
- ⇨ Keep pressing the **Y** or **X** button (7) until "TAG ON" or "TAG OFF" appears in the display.
- ⇨ Use the **<>** buttons (7) to switch between the settings.

To close the menu,

- ⇨ press the **OK** button (5) or **MENU** button (8).

The settings are saved.

Setting scrolling text

You can choose whether you want the display that you set under "TAG ON/OFF" to appear as scrolling text ("SCRL ON") or appear non-recurrently ("SCRL OFF").

Setting SCROLL

- ⇨ Press the **MENU** button (8).
- ⇨ Keep pressing the **Y** or **X** button (7) until "SCRL ON" or "SCRL OFF" appears in the display.
- ⇨ Use the **<>** buttons (7) to switch between the settings.

MP3 MODE

To close the menu,

- ⇒ press the **OK** button (5) or **MENU** button (8).

The settings are saved.

Note:

If you selected "SCRL OFF", you can display the scrolling text non-recurrently:

- ⇒ To do so, briefly press the **DIS** button (10).

If you selected "SCRL ON", you can briefly display the directory and track number:

- ⇒ To do so, briefly press the **DIS** button (10).

CD CHANGER OPERATION

CD changer operation (optional)

On page 6 of this guide you can find which CD changers can be used with this device. You can also refer to your Blaupunkt dealer.

Note:

The operating instructions for your CD changer will provide information about handling CDs, inserting them and operating the CD changer.

Starting CD changer operation

- ⇒ Press the **CDC** button (13).

The CD changer menu is displayed, and play will continue from the point where it was last interrupted. If the magazine is removed from the CD changer and re-inserted, play will start with the first track on the first CD detected by the CD changer.

Selecting a CD

- ⇒ In order to change up or down to another CD, press the **<** or **>** button (7) until the number of the CD you want appears on the display.

Selecting a track

- ⇒ In order to change up or down to another track on the current CD, press the **↵** or **⏮** button (7) until the number of the track you want appears on the display.

If the **↵** button (7) is pressed once the current track is started again.

Fast searching (audible)

In order to search rapidly backwards or forwards

- ⇒ hold down one of the **↵** or **⏮** buttons (7) until the fast search backwards or forwards starts.

CD CHANGER OPERATION

Changing the display contents

You can choose between different display modes during CD changer operation:

- Display of CD number, track number and time.
 - Display of CD number, track number and playing time.
 - Display of CD name and track number.
- ⇒ In order to change between the display modes, press the **DIS** button (10) as often as you need for the desired information to be shown on the display.

Note:

It is only possible for a CD name to be displayed if the inserted CD has been provided with a name. Read the section on "Naming CDs".

Repeat play of individual tracks or whole CDs (REPEAT)

- ⇒ Press the softkey (4) indicating "RPT".
"RPT TRCK" appears briefly on the display.
- ⇒ In order to repeat play of the whole CD, press the softkey (4) indicating "RPT" again.
"RPT DISC" appears briefly on the display.

Stopping REPEAT

In order to stop repeating either the current track or the current CD

- ⇒ press the softkey (4) indicating "RPT" as often as necessary for the "RPT OFF" to be shown in the display.

Playing tracks in random sequence (MIX)

In order to play the tracks on the current CD in a random sequence

- ⇒ press the softkey (4) indicating "MIX".

"MIX CD" appears briefly on the display.

In order to play the tracks on all the inserted CDs in a random sequence

- ⇒ press the softkey (4) indicating "MIX" again.

"MIX MAG" appears briefly on the display.

Note:

The CDC A 08 and the IDC A 09 will make random selections from all the CDs and all the tracks in the changer. All other changers will first play through all the tracks of one CD at random before moving on to the next CD in the changer.

Ending MIX

- ⇒ Press the softkey (4) indicating "MIX" as often as necessary for "MIX OFF" to be shown in the display.

Sampling all tracks on all CDs (SCAN)

In order to hear a short sample of all the tracks on all the inserted CDs in ascending order

- ⇒ press the softkey (4) indicating "SCA".

"SCAN" appears in the display.

Ending SCAN

In order to stop sampling the tracks

- ⇒ press the softkey (4) indicating "SCA" again.

The track that is currently being sampled will continue to be played.

Note:

The duration of the samples can be adjusted. For information on setting the sampling duration, read the paragraphs on "Adjusting the Sample Duration" in the "Radio Operation" section.

CLOCK - Time**Setting the time**

The clock time can be automatically set by means of the RDS signal. If you cannot receive an RDS station, or if the RDS station to which you are listening does not support this function, it is also possible to set the time manually.

Having the time set automatically

- ⇒ In order to have the time set automatically, press the **MENU** button (8).
- ⇒ Press the **Y** or **X** button (7) as often as is necessary for "CLK MAN" (manual) to appear in the display.

If "CLK AUTO" is displayed, automatic time setting is already active.

- ⇒ Press the **>** button (7) as often as is necessary for "CLK AUTO" to appear in the display.
- ⇒ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

If "CLK AUTO" has been selected and a station with the RDS time function (RDS-CT) is received, the clock is automatically adjusted.

Setting the time manually

- ⇒ In order to adjust the time, press the **MENU** button (8).
- ⇒ Press the **Y** or **X** button (7) as often as is necessary for "CLOCKSET" to appear in the display.
- ⇒ Press the **<** or **>** button (7).

The time is shown on the display. The hours blink and can be adjusted.

- ⇒ Adjust the hours with the **Y** / **X** button (7).
- ⇒ When the hours have been set, press the **>** button (7).

The minutes blink.

- ⇨ Adjust the minutes with the **⏮** / **⏭** button (7).
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Selecting 12/24-hour clock mode

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **⏮** or **⏭** button (7) as often as is necessary for "24 H MODE" or "12 H MODE" to appear in the display.
- ⇨ Press the **<** or **>** buttons (7) to switch between the modes.
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Having the time displayed constantly when the device is switched off

- ⇨ If you want the time to be displayed when the device is switched off and the ignition is switched on, press the **MENU** button (8).
- ⇨ Press the **⏮** or **⏭** button (7) as often as is necessary for "CLK OFF" or "CLK ON" to appear in the display.
- ⇨ Press the **<** or **>** button (7) to switch between the display being ON or OFF.
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Equalizer

This device has a parametric digital equalizer. In this case, parametric means that in each of the three filters, **one** individual frequency can be emphasised or reduced (with a gain of +8 to -8 dB).

The following filters are available:

- LOW EQ 32 - 200 Hz
- MID EQ 250 - 1,600 Hz
- HIGH EQ 2,000 - 12,500 Hz

These filters can be set without using any measuring instruments. It allows the sound properties in the vehicle to be significantly affected.

Adjustment instructions

When setting the equalizer, we recommend you use a CD, cassette or MiniDisc (depending on your car radio) which you are familiar with.

Before making any adjustments to the equalizer zero the tone settings and deactivate the loudness. For more information, read the section on "Tone and volume".

- ⇨ Listen to a CD, tape cassette or MiniDisc (according to how the radio is equipped).
- ⇨ Compare the sound you hear with how you feel it should be.
- ⇨ Now consult the "Equalizer adjustment guide" table for "Tone impression".
- ⇨ Adjust the equalizer values as described under "Action".

Switching the equalizer on and off

- ⇨ To switch off the equalizer, press the **DEQ** button (6).

"LOW EQ" is shown on the display.

- ✧ To switch off the equalizer, hold down the **DEQ** button (6) until "DEQ OFF" briefly appears.

Adjusting the equalizer

- ✧ Press the **DEQ** button (6).
- ✧ Select the "LOW EQ", "MID EQ" or "HIGH EQ" filter with the **Y** or **X** button (7).
- ✧ To select the frequency, press the **<** or **>** button (7).
- ✧ Adjust the level with the **Y** or **X** key (7).
- ✧ In order to select the next filter, first press the **OK** button (5) then the **Y** or **X** button (7).
- ✧ When you have completed all the settings, press the **DEQ** button (6).

Adjusting the sharpness of the filter

- ✧ Press the **DEQ** button (6).
- ✧ Select the adjustments for the sharpness of the individual filters "LO-Q-FAC", "MI-Q-FAC" or "HI-Q-FAC" with the **Y** or **X** button (7).
- ✧ To adjust the sharpness of the filter, press the **<** or **>** button (7).
- ✧ In order to select the next filter, first press the **OK** button (5) then the **Y** or **X** button (7).
- ✧ When you have completed all the settings, press the **DEQ** button (6).

Selecting the tone preset

You can choose preset tone settings for the following musical styles.

- ROCK
- DISCO
- JAZZ
- CLASSIC
- VOCAL

Settings for these styles have already been programmed.

- ✧ Press the **DEQ** button (6).
- ✧ Select "PRESET" with the **Y** or **X** button (7).
- ✧ To select the preset tone, press the **<** or **>** button (7).
- ✧ Press the **OK** button (5).
- ✧ When you have completed all the settings, press the **DEQ** button (6).

Level meter / Spectrometer

While you set the equalizer, the level meter in the display gives you a symbolic indication of volume and settings.

At other times, the level meter can be switched to spectrometer display mode.

Switching the spectrometer on and off

- ✧ Press the **MENU** button (8).
- "MENU" appears in the display.
- ✧ Press the **Y** or **X** button (7) as often as is necessary for "PEAK ON" or "PEAK OFF" to appear in the display.
 - ✧ Press the **<** or **>** buttons (7) in order to switch the spectrometer on or off.
 - ✧ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

EQUALIZER

Equalizer adjustment guide

Tone impression/problem	Action
Bass too quiet	Bass boost with Filter: "LOW EQ" Frequency: 50 to 100 Hz Level :+4 to +6 dB
Bass sounds muddy Booming tone Unpleasant pressure	Reduce lower middle tones with Filters: "LOW EQ", "MID EQ" Frequency: 125 to 400 Hz Level : approx. -4 dB
Tone lacks depth, is aggressive, no stereo effect.	Reduce middle tones with Filters: "MID EQ", "HIGH EQ" Frequency: 1,000 to 2,500 Hz Level : -4 to -6 dB
Muffled tone Lack of clarity Instruments have no brightness	Boost treble tones with Filter: "HIGH EQ" Frequency: approx. 12,500 Hz Level : +2 to +4 dB

External audio sources

Instead of the CD-changer, you can connect an external audio source with line output. Such sources might be a portable CD player, a MiniDisc player or an MP3 player.

The AUX input must be switched on in the menu.

You need an adapter cable to connect an external audio source. You can obtain such a cable from your Blaupunkt dealer.

Switching the AUX input on and off

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **Y** button (7) as often as is necessary for "AUX OFF" or "AUX ON" to appear in the display.

If "AUX ON" is displayed, the input has already been switched on.

- ⇨ Press the **<** or **>** buttons (7) in order to switch AUX on or off.
- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Note:

If the AUX input is switched on it can be selected with the **CDC** button (13).

Pre-amplifier / subout

You can use the connections provided on your car radio to connect an external pre-amplifier and a subwoofer.

We recommend that you use matching products from the Blaupunkt or Velocity ranges.

Switch-on delay for external pre-amplifiers

To prevent speakers from crackling when you switch on the player, you can set a switch-on delay for all amplifiers connected to the Pre-amp Out connection. The maximum delay is four seconds.

- ⇨ Press the **MENU** button (8).
- ⇨ Press the **Y** or **X** button (7) as often as is necessary for "AMP DLAY" to appear in the display.
- ⇨ Press the **<** or **>** buttons (7) in order to adjust the switch-on delay.

"DLAY OFF" means that there is no switch-on delay, while "DELAY 1" to "DELAY 4" indicate the delay time in seconds.

- ⇨ Press the **OK** button (5) or the **MENU** button (8) to leave the menu. The settings are then saved.

Technical data

Amplifier

Output power: 4 x 25 Watt sine wave according to DIN 45 324 at 14.4 V
4 x 47 Watt max. power

Tuner

Wavebands:
FM : 87.5 – 107.9 MHz
AM : 530 – 1,710 kHz

FM frequency response:
30 - 15,000 Hz

CD

Frequency response:
20 - 20,000 Hz

Pre-amp Out

4 channels: 4 V / 10 k Ω

AUX input

Sensitivity: 1,2 V / 10 k Ω

Guarantee

The scope of the guarantee depends on the regulations in force within the country in which the unit was purchased.

If your unit develops a fault, please contact your dealer and present the purchase receipt.

If the statutory guarantee period in your country is less than 12 months, Blaupunkt will grant a 12-month manufacturer's guarantee. This guarantee does not cover damage due to wear, incorrect usage or commercial use.

If you wish to enforce a claim under the manufacturer's guarantee that is provided by Blaupunkt, please send the faulty equipment together with the purchase receipt to the Blaupunkt customer service centre in your country. You can find out which address is closest to you by contacting the telephone hotline listed on the back page of this booklet. Blaupunkt retains the right to rectify defects or supply a replacement.

Subject to technical change!

Service numbers / Numéros du service après-vente / Números de servicio / Número de serviço

Country:		Phone:	Fax:	WWW:
Germany	(D)	0180-5000225	05121-49 4002	http://www.blaupunkt.com
Austria	(A)	01-610 390	01-610 393 91	
Belgium	(B)	02-525 5454	02-525 5263	
Denmark	(DK)	44 898 360	44-898 644	
Finland	(FIN)	09-435 991	09-435 99236	
France	(F)	01-4010 7007	01-4010 7320	
Great Britain	(GB)	01-89583 8880	01-89583 8394	
Greece	(GR)	0800-550 6550	01-576 9473	
Ireland	(IRL)	01-4149400	01-4598830	
Italy	(I)	02-369 6331	02-369 6464	
Luxembourg	(L)	40 4078	40 2085	
Netherlands	(NL)	023-565 6348	023-565 6331	
Norway	(N)	66-817 000	66-817 157	
Portugal	(P)	01-2185 00144	01-2185 11111	
Spain	(E)	902-120234	916-467952	
Sweden	(S)	08-7501500	08-7501810	
Switzerland	(CH)	01-8471644	01-8471650	
Czech. Rep.	(CZ)	02-6130 0441	02-6130 0514	
Hungary	(H)	01-333 9575	01-324 8756	
Poland	(PL)	0800-118922	022-8771260	
Turkey	(TR)	0212-3350677	0212-3460040	
USA	(USA)	800-2662528	708-6817188	
Brasil (Mercosur)	(BR)	+55-19 3745 2769	+55-19 3745 2773	
Malaysia (Asia Pacific)	(MAL)	+604-6382 474	+604-6413 640	

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